

advanced FLOW engineering Cold Air Intake System

Instruction Manual P/N: 56-70051D / 56-70051R

Make: **Subaru**

Model: **Outback**

Year: **2020-2023**

Engine: **H4-2.5L**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	24-90101
A2	1	Air Filter (Pro DRY S)	21-90101
B	1	Tube 1	05-5670042B1
C	1	Tube 2	05-5670042B2
D	1	Housing	05-5670051B3
E	1	Plug, Silicone Black: 2.25" Dia (Takeda)	05-01527
F	1	Coupling, Silicone Hump 3" ID x 3"L	05-01593
G	1	Coupling, Silicone Bellow 3-1/4" ID x 3"L	05-01480
H	2	Screw, Torx: M4x8mm	03-50491
J	2	Clamp, 048 (2-9/16" - 3-1/2 ")	03-50007
K	2	Clamp, 044 (2-5/16" - 3-1/4")	03-50019
L	1	Push Clip: 6.5mm Hole x 18mm Head x 22mm Long	03-50773

Installation will require the following tools:

Panel clip remover, T-20 Torx driver, 8mm nut driver, #2 Phillips screwdriver, 10mm socket and driver, pliers

Warranty Information available at <https://afepower.com/contact#warranty>

Emissions Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.

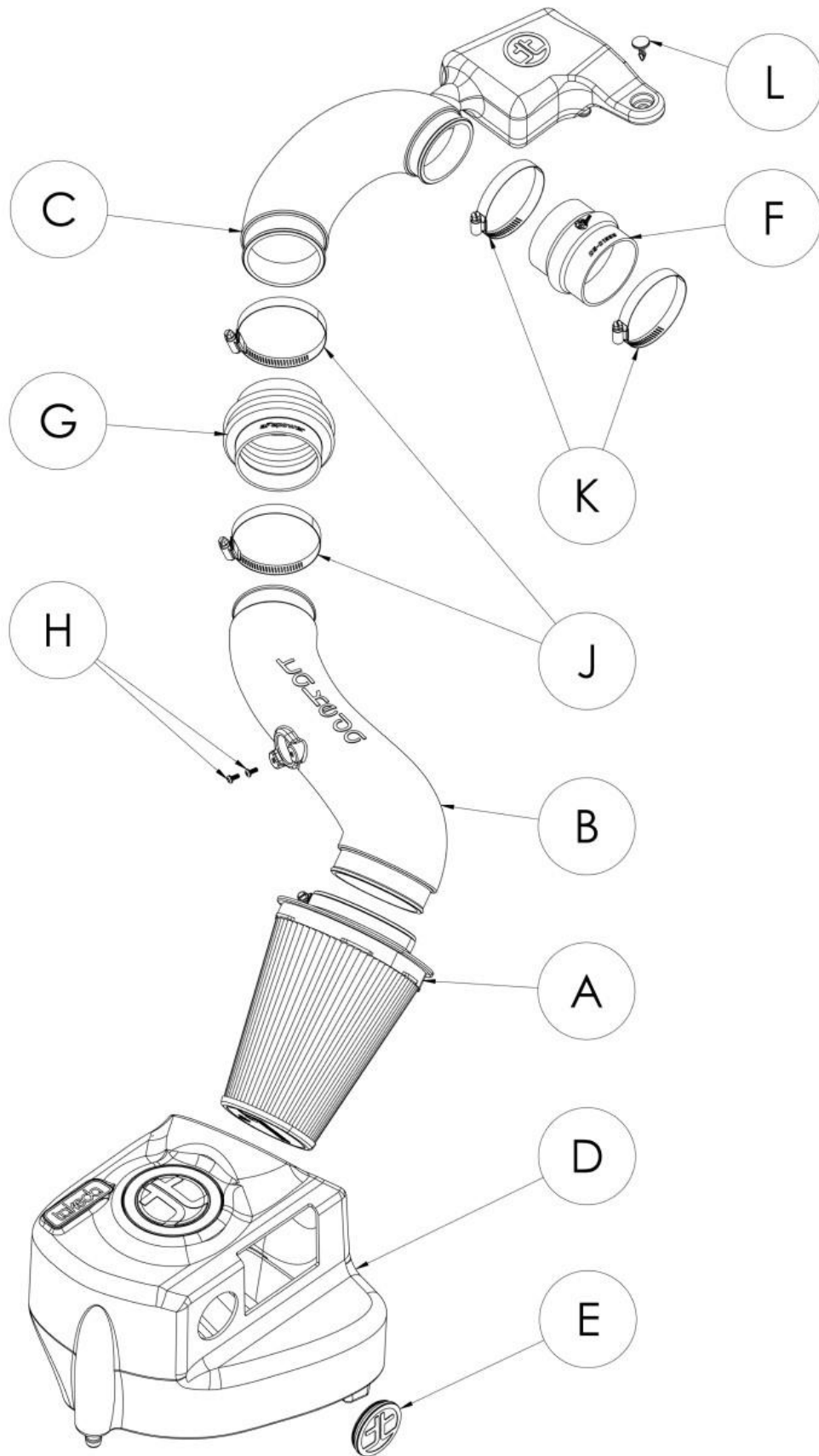




Figure A

Refer to Figure A for Steps 1-2

Step 1: Using a panel clip remover, remove the two clips ① that secure the air intake scoop ②.

Step 2: Remove the air intake scoop and set aside with the clips.



Figure B

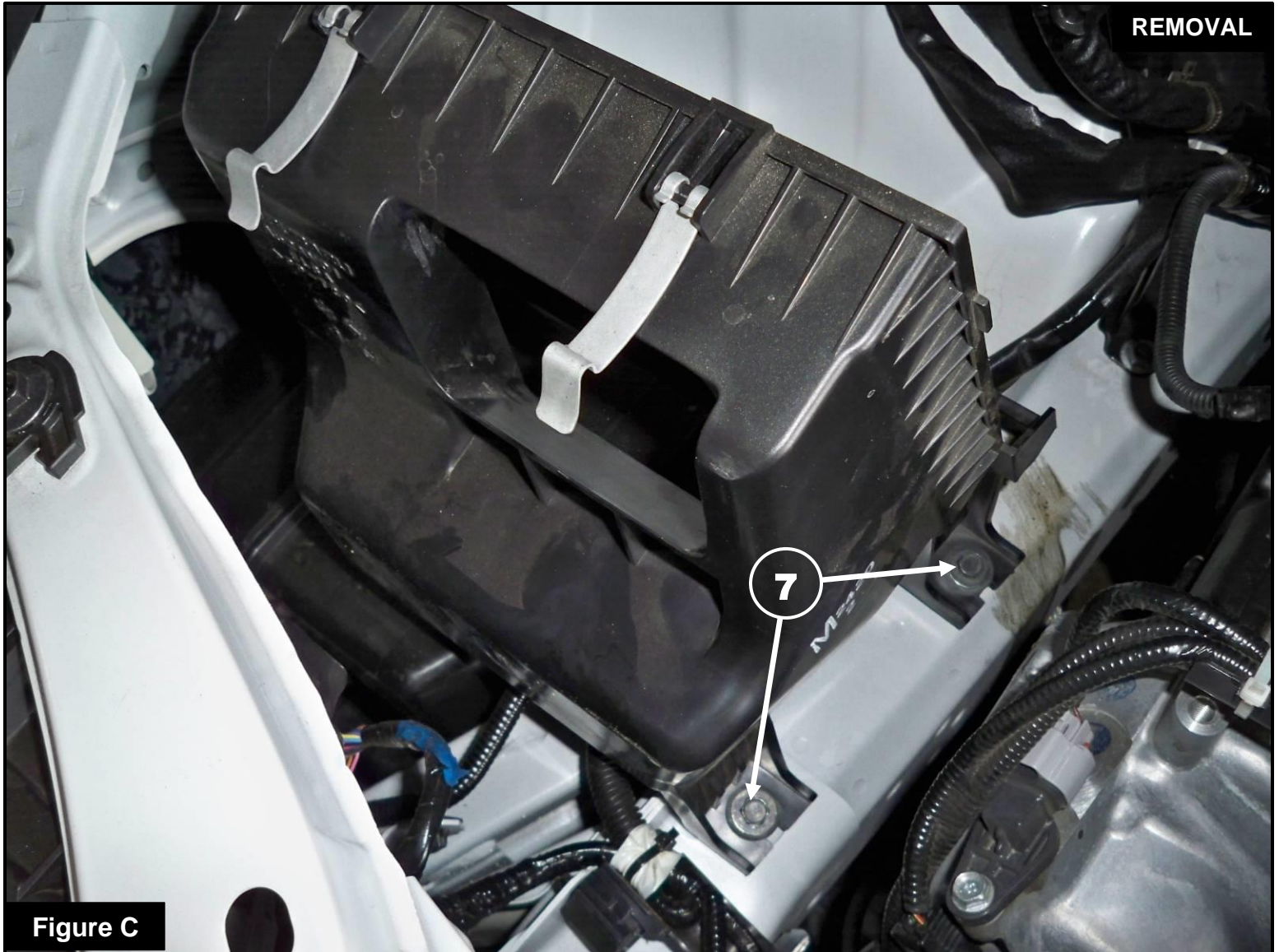
Refer to Figure B for Steps 3-6

Step 3: Disconnect the MAF sensor (3) and remove the clip (4) securing the harness.

Step 4: Using an 8mm nut driver, loosen the clamp (5) at the factory airbox.

Step 5: Disconnect the factory intake tube from the factory airbox.

Step 6: Remove the clips (6) from the factory airbox and remove the rear section of the factory airbox with the air filter.



Refer to Figure C for Steps 7-8

Step 7: Using a 10mm socket and driver, remove the two screws ⑦ holding the factory airbox.

Step 8: Detach and remove the factory airbox from the isolator. If the isolator is pulled out and is stuck on the factory airbox, remove it and insert it back on the mounting bracket.

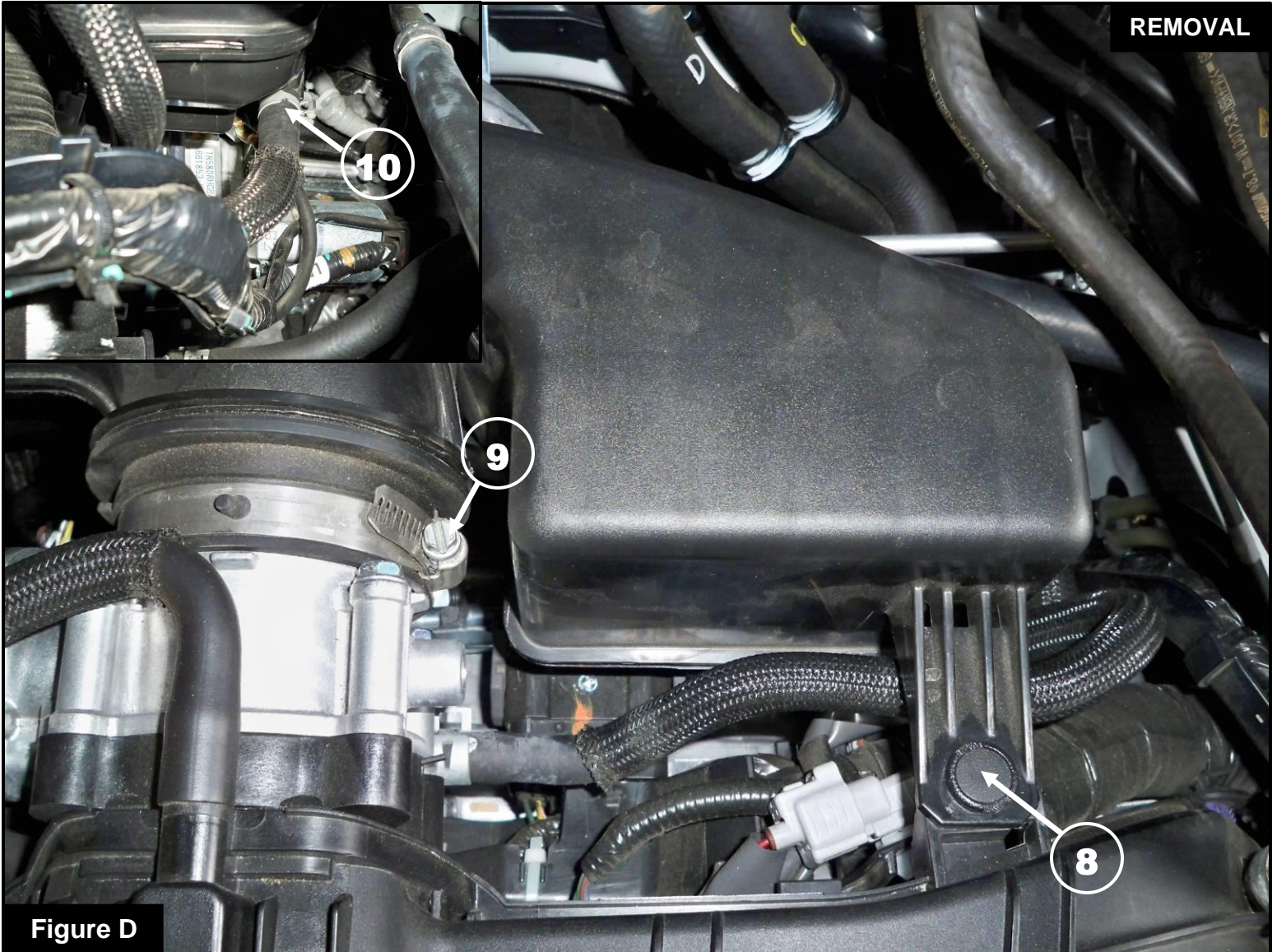


Figure D

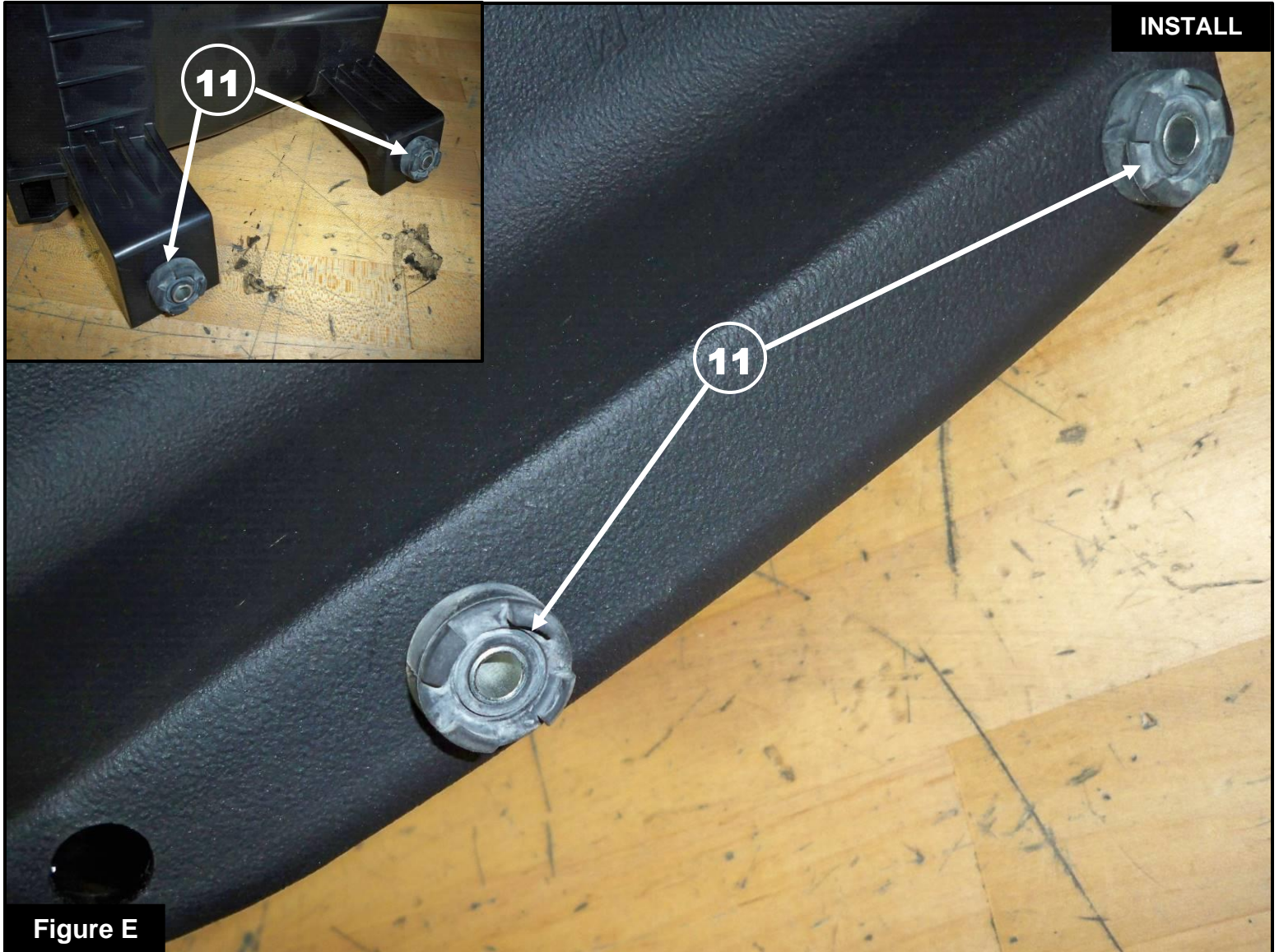
Refer to Figure D for Steps 9-12

Step 9: Using a panel clip remover, remove the clip (8) that secures the factory intake tube.

Step 10: Using an 8mm nut driver, loosen the clamp (9) at the throttle body.

Step 11: Using pliers, disconnect the PCV hose (10) from the factory intake tube.

Step 12: Remove the factory intake tube.



Refer to Figure E for Steps 13-14

Step 13: Remove the metal sleeves and isolators (11) from the factory airbox. Note that the thicker side of the isolator faces the bottom of the housing.

Step 14: Install the metal sleeves and isolators into the Takeda housing as shown.



Refer to Figure F for Steps 15-16

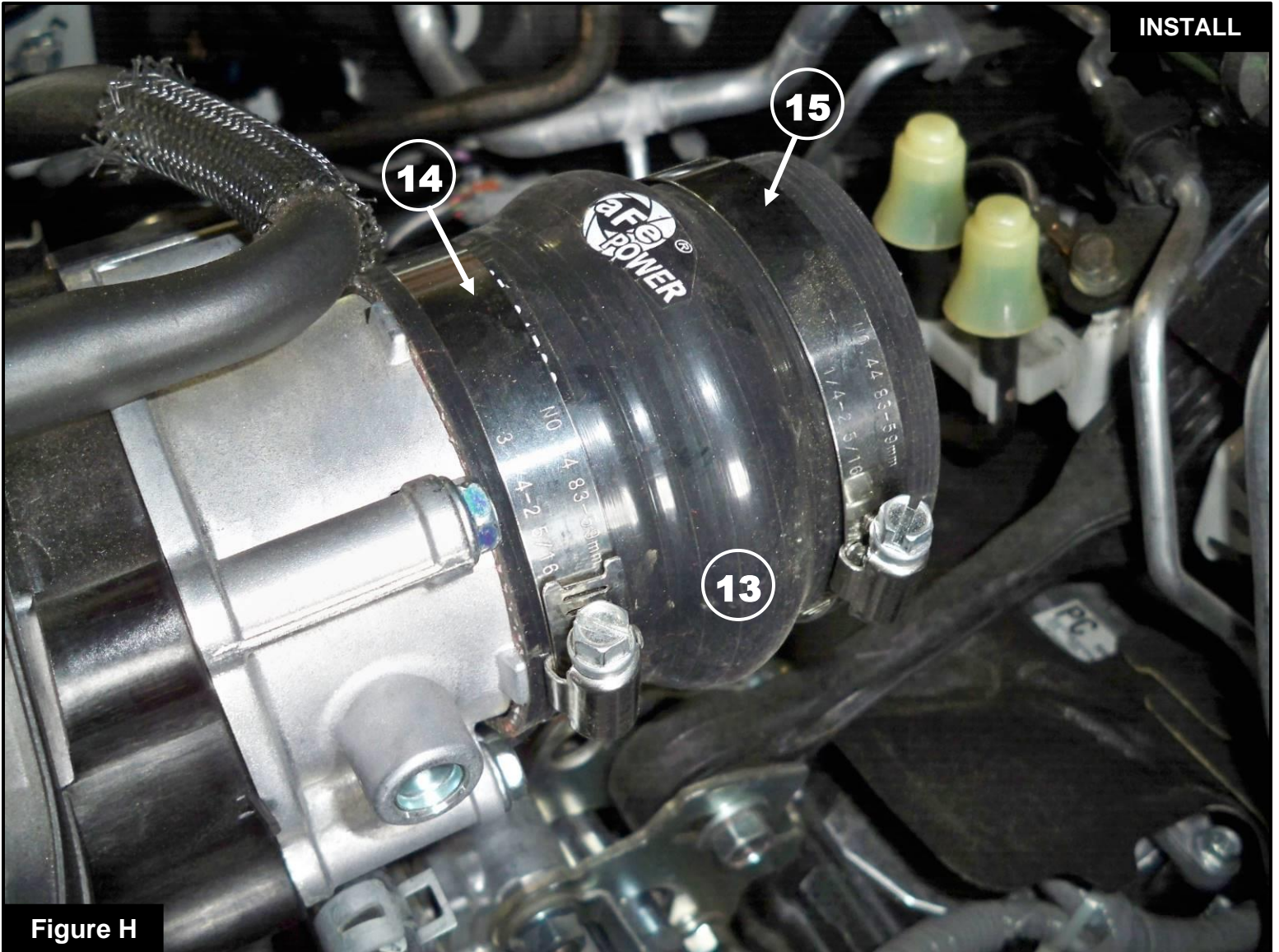
Step 15: Install the Takeda housing into the vehicle. Make sure the housing mounting pin is aligned and all the way through the isolator.

Step 16: Using a 10mm socket and driver, install the two screws (12) removed on Step 7 to secure the Takeda housing in place.



Refer to Figure G for Step 17

Step 17: Slide the Takeda filter and clamp into the Takeda housing and push it in until it locks into place. Do not tighten the clamp.

**Figure H****Refer to Figure H for Steps 18-19**

Step 18: Install the supplied hump coupling (05-01593) (13) with a supplied #44 clamp (14) onto the throttle body and tighten the clamp using an 8mm nut driver.

Step 19: Place the other supplied #44 clamp (15) onto the other end of the coupling but do not tighten at this time.

**Figure I****Refer to Figure I for Steps 20-21**

Step 20: Using a #2 Phillips head screwdriver, remove the MAF sensor (16) from the factory airbox.

Step 21: Use a Torx T20 driver to install the MAF sensor on the Takeda intake tube with the supplied M4 screws (17).

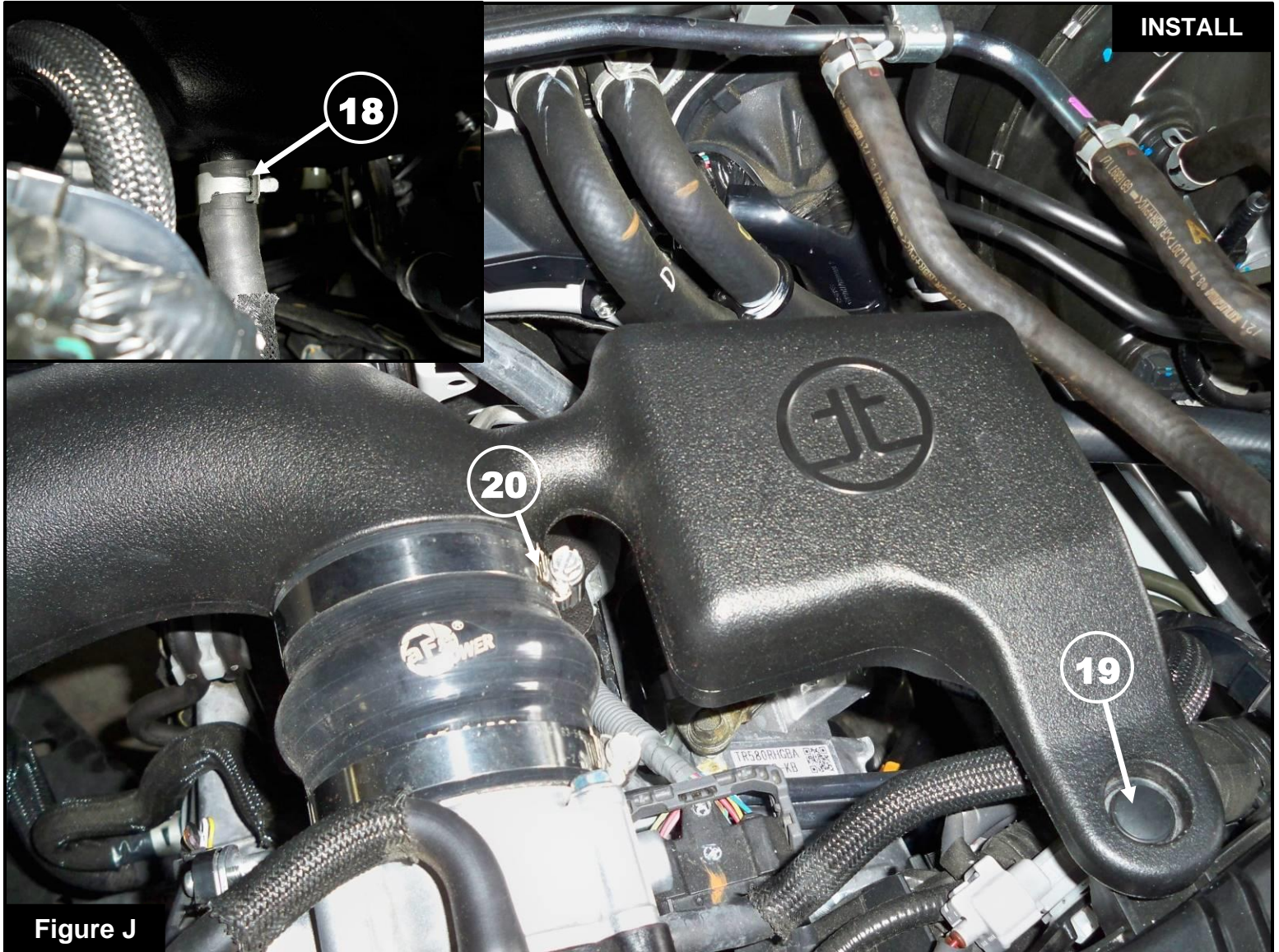


Figure J

Refer to Figure J for Steps 22-24

Step 22: Install the Takeda B2 intake tube into the coupling first and then attach the PCV hose as shown.

Using pliers, secure the PCV hose clamp (18) to the Takeda B2 intake tube.

Step 23: Install the supplied push clip (19) to secure the Takeda B2 intake tube.

Step 24: Using an 8mm nut driver, tighten the clamp (20) to secure the coupling to the Takeda B2 intake tube.

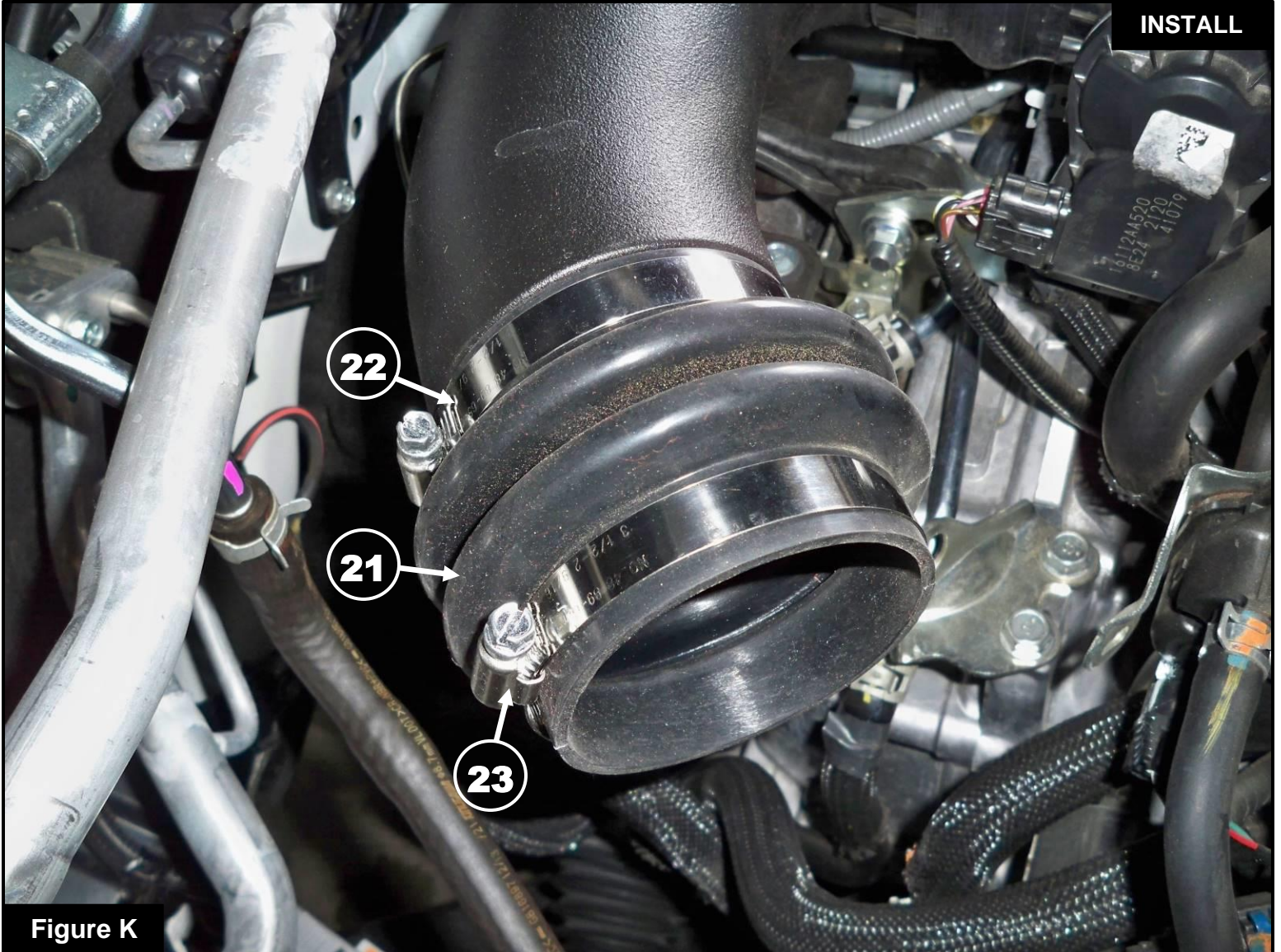


Figure K

Refer to Figure K for Steps 25-26

Step 25: Install the supplied bellows coupling (05-01480) (21) with a supplied #48 clamp (22) onto the end of the Takeda B2 intake tube and tighten the clamp using an 8mm nut driver.

Step 26: Place the other supplied #48 clamp (23) onto the other end of the coupling but do not tighten at this time.



Figure L

Refer to Figure L for Steps 27-28

Step 27: Install the Takeda B1 intake tube into the bellows coupling, but do not tighten the clamp at this time.

Step 28: Install the other end of the Takeda B1 intake tube into the air filter. Align the tube and tighten the clamps **24** using an 8mm nut driver.



Figure M

Refer to Figure M for Step 29

Step 29: Install the Takeda plug (25) on the front side of the Takeda housing as shown.

NOTE: This plug can be removed and installed at any time to increase airflow and engine sound if desired.

**Figure N****Refer to Figure N for Steps 34-35**

Step 30: Reconnect the MAF sensor **26**.

Step 31: Install the air intake scoop using the clips **27** removed in Step 1.

Step 32: Check all the components are tight and secure. Your installation is now complete. Thank you for choosing aFe POWER!

NOTE: Check all bolts, clamps, and connectors after 100-200 miles.



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advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

<https://afepower.com/contact>